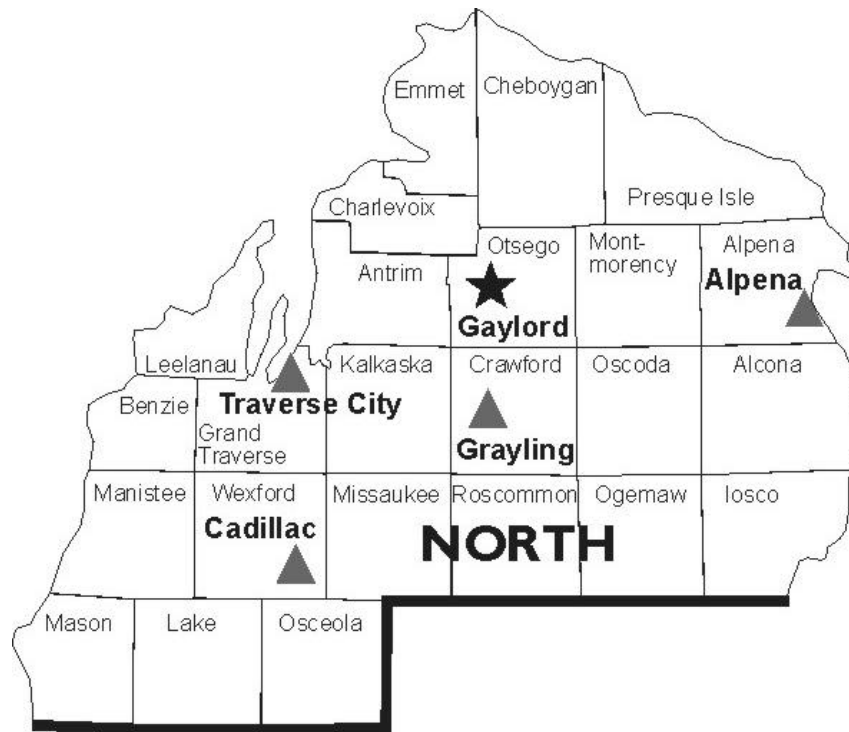


NORTH REGION



The North Region is comprised of the northernmost 24 counties of the lower peninsula, which are: Alcona, Alpena, Antrim, Benzie, Charlevoix, Cheboygan, Crawford, Emmet, Grand Traverse, Iosco, Kalkaska, Lake, Leelanau, Manistee, Mason, Missaukee, Montmorency, Ogemaw, Osceola, Oscoda, Otsego, Presque Isle, Roscommon, and Wexford. Major routes include I-75, US-127, US-23, US-131 and US-31.

The North Region continues to provide quality transportation services for Michigan's highly successful year-round tourism industry. Preservation of the existing system remains a high priority. The effective passing relief lane program will be continued, with more than 25 miles of passing relief lanes planned for the next five years.

MDOT continues a strategy to address operational issues and remove congestion points, wherever possible, to ensure the smooth flow of traffic. The department also continues to address recreational and daily congestion problems in specific locations such as Alpena, Cadillac, Gaylord, Grayling, Petoskey and Traverse City.

Past Accomplishments

The North Region awarded 66 projects in 2003, worth more than \$82 million in road and bridge funds, along with completing work on the US-131 Manton bypass and related projects. Since the year 2001, \$138 million dollars were awarded in road and bridge funds. This translates to 163 miles of roadway rehabilitated, 18 miles of passing relief lanes constructed, and 10 bridges upgraded in the past three years.

Highlights of the 2003 program include:

Completion of US-131, North of Cadillac to South of Manistee River, Wexford County . Construction of the new 4-lane limited access freeway, by-passing the Village of Manton to the east, was completed one year ahead of schedule and \$5,300,000 under the project estimate. The new freeway was open to traffic well in advance of the fall color tour season.

Reconstruction of M-72 west of Grayling in Crawford County. Designed and built with a total cost of approximately \$1,480,000, this project reconstructed 1 mile of M-72 along the busy corridor between Grayling and Traverse City. The project widened the road from 2 to 5 lanes and included the addition of a center left turn lane, bituminous paving, curb and gutter, and storm sewers. Numerous access management improvements were made through combining and aligning existing driveways.

Reconstruction of M-32 from Johannesburg to Vienna Corners in Otsego County. This project included 11 miles of bituminous base crushing and shaping, vertical curve corrections, and route relocation constructed at a total cost of approximately \$9,000,000. Work included numerous access management improvements, construction of an enclosed storm sewer system with curb and gutter in Johannesburg, and the addition of a passing relief lane between Johannesburg and Vienna Corners.

Construction of Four Passing Relief Lane Projects. In the 2003 season, passing relief lanes were incorporated into road rehabilitation projects on M-32 and US-10. In Crawford and Kalkaska Counties, lanes were added to both eastbound and westbound M-72. Within the North Region more than 11 lane miles of passing relief lanes were constructed during 2003.

Reconstruction of US-23 from M-65 north to Birchwood Road in the city of Rogers City in Presque Isle County. This comprehensive reconstruction involved 3 projects with a total cost of \$7,000,000. Work included 10 miles of rubblization and bituminous overlay of the existing concrete pavement, widening to 3 lanes in Rogers City, bridge deck replacement over the Trout River, and construction of 3 miles of non-motorized path in partnership with Rogers City.

Five Year Road & Bridge Program

The projects identified in this 2004 to 2008 Five Year Road and Bridge Program for the North Region total approximately \$167 million. Investments are allocated in the following manner:

Preserve First	\$ 5 Million
Road & Bridge Preservation	\$160 Million
Capacity Improvements & New Roads	
Construction	\$ 1 Million
Design & Pre-Construction Activities	\$ 500 Thousand

The North Region's upcoming road rehabilitation and reconstruction program will upgrade more than 230 miles of the region's 2,022 mile system over the next five years, and includes approximately 25 miles of new passing relief lanes. The bridge program will address 25 (6 percent) of the region's 453 structures. Additionally, Capital Preventive Maintenance (CPM) funds are programmed annually for a significant number of projects designed to preserve the condition of the region's roads and extend their pavement life.

Corridor Improvement Strategies

Corridor improvement strategies are being developed and implemented as individual projects represented in this program. Targeted corridors are M-72, US-23, M-65 and M-115, as well as the major north-south routes of I-75 and US-131. Access management planning, reconstruction and passing relief lanes are being used to improve the heavily traveled corridor between Traverse City (US-31) and Grayling (I-75). The M-65 corridor strategy includes replacement of the bridge over the AuSable River to eliminate truck restrictions at this location and provide an alternative commercial route to US-23.

The strategy for the US-131 corridor includes the construction of a limited access transition from the end of the new freeway, south of the Manistee River, to north of M-113. Construction is scheduled to begin in 2004. The work will be completed without the Manistee River Bridge being widened.

The bridge over the Manistee River will require reconstruction to accommodate the widened transitional roadway at a later date. Funding for the design and construction phases for a widening of US-131 over the Manistee River will be deferred to a future Five Year Plan.

Capacity Improvements and New Roads

M-42 / from existing US-131 to new US-131, Wexford County

The design for the widening of M-42, from 2 to 3 lanes, between the new US-131 freeway and "old" US-131 will be completed in early 2004. MDOT will proceed with the right of way and construction phases in 2004. This improvement is part of a number of projects tied to the new US-131 freeway from Cadillac to Manton.

M-72 / US-31 northeast of Traverse City to the Kalkaska County Line, Grand Traverse County A feasibility study was recently completed to determine the impacts of various designs on M-72 between US-31 and the east Grand Traverse County line. An access management plan was also developed for this segment as part of the study effort. The access management plan will help local governments develop and/or update local land use regulations. A second feasibility study, centering on the US-31 and M-72 intersection, will take place in 2004. No funds have been identified to construct these improvements.

FIVE YEAR HIGHWAY AND BRIDGE PROGRAM

Repair and Rebuild Roads

NORTH BRIDGES

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
BENZIE	M-115		M-115 OVER BETSIE RIVER	DECK REPLACEMENT	0.000	CON				
CHARLEVOIX	M-75 (W P Reuther Freeway)		M-75 OVER BOYNE RIVER	OVERLAY - DEEP	0.000		CON			
CHEBOYGAN	M-27		M-27 OVER MULLETT CREEK	BRIDGE REPLACEMENT	0.000		CON			
EMMET	I-75		I-75 OVER CENTRAL STREET	DECK REPLACEMENT	0.000			CON		
IOSCO	US-23		US-23 OVER AU SABLE RIVER	OVERLAY - DEEP	0.000		CON			
LEELANAU	M-22		M-22 OVER CEDAR CREEK	DECK REPLACEMENT	0.000				CON	
MANISTEE	M-115		M-115 OVER BETSIE RIVER	DECK REPLACEMENT	0.000	CON				
MANISTEE	M-115		M-115 OVER CSX RAILROAD (ABANDONED)	OVERLAY - SHALLOW	0.000			CON		
MANISTEE	US-31		US-31 OVER MANISTEE RIVER	OVERLAY - DEEP	0.000	CON				
MISSAUKEE	M-66		M-66 OVER CLAM RIVER	OVERLAY - DEEP	0.000		CON			
OSCEOLA	M-66		M-66 OVER MIDDLE BRANCH RIVER	OVERLAY - DEEP	0.000		CON			
OTSEGO	I-75		MILL STREET (OLD US-27) OVER I-75	OVERLAY - DEEP	0.000	CON				
OTSEGO	I-75		I-75 NB OVER CHARLES BRINK ROAD	OVERLAY - DEEP	0.000	CON				
OTSEGO	I-75		I-75 SB OVER CHARLES BRINK ROAD	OVERLAY - DEEP	0.000	CON				
OTSEGO	I-75		OLD STATE ROAD OVER I-75	OVERLAY - DEEP	0.000	CON				
OTSEGO	I-75		I-75 SB OVER D&M RAILROAD	OVERLAY - DEEP	0.000	CON				
OTSEGO	I-75		I-75 NB OVER D&M RAILROAD	OVERLAY - DEEP	0.000	CON				
					0.000					

FIVE YEAR HIGHWAY AND BRIDGE PROGRAM

Repair and Rebuild Roads

NORTH REPAIR AND REBUILD ROADS

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
ALCONA	M-72		ODONNELL ROAD EAST TO F-41	RESTORATION AND REHABILITATION	11.191				CON	
ALCONA	M-72		US-23 TO F-41	RESURFACE	6.227		CON			
ALCONA	US-23		NORTH OF GREENBUSH TO SOUTH OF M-72 IN HARRISVILLE	RESTORATION AND REHABILITATION	3.840			CON		
ALCONA	US-23		IOSCO COUNTY LINE NORTH TO NORTH OF GREENBUSH	RESTORATION AND REHABILITATION	6.200	CON				
ALPENA	M-32		INTERSECTION AT RIPLEY STREET IN ALPENA	RECONSTRUCTION	0.456					CON
ALPENA	M-32		LAKE WINYAH ROAD EAST TO BAGELY STREET	MINOR WIDENING	1.680			CON		
ALPENA	US-23		THUNDER BAY RIVER BRIDGE TO HAMILTON ROAD	RECONSTRUCTION	2.390					CON
ALPENA	US-23		BOX CULVERT AT SQUAW BAY	RECONSTRUCTION	0.010	CON				
ALPENA	US-23		TIMM ROAD NORTH TO NORTH PARTRIDGE POINT ROAD	RECONSTRUCTION	4.203	CON				
ANTRIM	M-88		BELLAIRE TO ECKHARDT ROAD, ETC	RESTORATION AND REHABILITATION	5.480					CON
ANTRIM	M-88		SOUTH OF ECKHARDT ROAD TO SOUTH CENTRAL LAKE	RESURFACE	1.400			CON		
ANTRIM	M-88		MANCELONA TO BELLAIRE	RESURFACE	10.170	CON				
ANTRIM	US-131		ALBA ROAD TO THE NORTH M-32 JUNCTION	RESURFACE	8.140		CON			
ANTRIM	US-131		M-66 TO ALBA ROAD	RESURFACE	6.090	CON				
ANTRIM	US-31		NORTH OF ELK RAPIDS	MINOR WIDENING	2.019		CON			
BENZIE	M-22		SOUTHSHORE DRIVE TO NORTH CRYSTAL DRIVE	RESTORATION AND REHABILITATION	4.440		CON			
CHARLEVOIX	M-32		JORDAN RIVER BRIDGE EAST TO THIRD STREET	RECONSTRUCTION	0.281			CON		
CHEBOYGAN	I-75		TOPINABEE ROAD TO RIGGSVILLE ROAD	RESTORATION AND REHABILITATION	5.547					CON
CHEBOYGAN	I-75	PF	LEVERING ROAD TO HEBRON TOWN HALL ROAD	RESTORATION AND REHABILITATION	4.150		CON			
CHEBOYGAN	I-75		FROM INDIAN RIVER TO TOPINABEE	RESTORATION AND REHABILITATION	4.690				CON	
CHEBOYGAN	I-75		FROM RIGGSVILLE ROAD TO LEVERING ROAD	RESTORATION AND REHABILITATION	4.500		CON			
CHEBOYGAN	I-75 NB		FROM US-31 NORTH TO M-108	RESURFACE	1.990				CON	
CHEBOYGAN	I-75 SB		NORTH OF US-31 TO SOUTH OF M-108	RESURFACE	1.990			CON		
CHEBOYGAN	M-33		FROM M-68 NORTH 10 MILES	RESURFACE	10.550	CON				
CRAWFORD	I-75		FROM CRAWFORD SOUTH COUNTY LINE TO US-127	RESURFACE	5.927			CON		
CRAWFORD	M-18		FROM ROSCOMMON COUNTY LINE TO OSCODA COUNTY LINE	RESURFACE	10.677		CON			
CRAWFORD	M-93		CAMP GRAYLING NORTH 2 MILES	RESURFACE	2.385		CON			
EMMET	US-31		SHAW ROAD TO GRAHAM ROAD	MINOR WIDENING	1.500					CON
EMMET	US-31		HORTON BAY ROAD TO CAMP DAGGETT ROAD	MINOR WIDENING	1.500				CON	
GRAND TRAVERSE	M-113		2 MILES EAST OF KINGLSEY	MINOR WIDENING	2.000	CON				
GRAND TRAVERSE	M-113		FROM KINGSLEY WEST 1.4 MILES	MINOR WIDENING	1.381					CON
GRAND TRAVERSE	M-37		SOUTH COUNTY LINE TO M-113	RESURFACE	6.000	CON				
GRAND TRAVERSE	M-37		SOUTH OF VANCE ROAD TO NORTH OF US-31	MINOR WIDENING	1.615		CON			
GRAND TRAVERSE	US-31		ACME NORTHERLY TO THE ANTRIM COUNTY LINE	RESURFACE	7.140			CON		
KALKASKA	M-66		FROM MISSAUKE COUNTY TO M-72	RESURFACE	13.753		CON			
KALKASKA	US-131		KALKASKA TO VILLAGE OF ANTRIM	RESTORATION AND REHABILITATION	11.273				CON	

FIVE YEAR HIGHWAY AND BRIDGE PROGRAM

Repair and Rebuild Roads

NORTH REPAIR AND REBUILD ROADS

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
LEELANAU	M-109 & M-22		COUNTY ROAD 616 TO COUNTY ROAD 677	RESURFACE	8.110	CON				
LEELANAU	M-22		FROM M-72 NORTH TO CEDAR CREEK	RESURFACE	1.600				CON	
MANISTEE	US-31		BETWEEN MANISTEE AND BEAR LAKE	RECONSTRUCTION	5.227				CON	
MISSAUKEE	M-55		M-66 TO 8 MILE ROAD	RESTORATION AND REHABILITATION	8.125					CON
MISSAUKEE	M-55 (M-55)		8 MILE ROAD TO STEVENS ROAD	MINOR WIDENING	1.766		CON			
MISSAUKEE	M-66		RANDELL ROAD TO M-42	RESTORATION AND REHABILITATION	1.676					CON
MISSAUKEE	M-66		IN MISSAUKEE COUNTY	RESURFACE	13.690		CON			
MONTMORENCY	M-33		M-32 IN ATLANTA NORTH TO PRESQUE ISLE COUNTY LINE	RESTORATION AND REHABILITATION	14.292			CON		
MONTMORENCY	M-33		FROM COUNTY ROAD 612 TO M-32	RESURFACE	6.730	CON				
OSCEOLA	M-115		50TH AVENUE TO 19 MILE ROAD	RECONSTRUCTION	3.140					CON
OSCEOLA	M-115		45 MILE ROAD TO CROCKER CREEK	RESTORATION AND REHABILITATION	8.592	CON				
OSCEOLA	M-66		US-10 TO M-115	RESURFACE	8.970	CON				
OSCEOLA	US-10		200TH AVENUE TO WEST OF 175TH AVENUE	RECONSTRUCTION	2.320			CON		
OSCEOLA	US-131 NB		NORTH OF LUTHER ROAD TO M-115	RESURFACE	15.386				CON	
OSCEOLA	US-131 NB		NORTH OF US-10 TO NORTH OF LUTHER ROAD	RESURFACE	9.172	CON				
OSCEOLA	US-131 SB		NORTH OF US-10 TO SOUTH OF LUTHER ROAD	RESTORATION AND REHABILITATION	7.745		CON			
OSCEOLA	US-131SB		SOUTH OF LUTHER ROAD TO WHITE PINE TRAIL	RESURFACE	12.148			CON		
OSCODA	M-33		NORTH OF BORDEN ROAD TO FOURTEENTH STREET IN MIO	RESTORATION AND REHABILITATION	11.842		CON			
OSCODA	M-72		WEST OSCODA COUNTY LINE EAST TO M-33 IN MIO	RESURFACE	13.447		CON			
OTSEGO	I-75		RAMPS AT OLD 27	RESTORATION AND REHABILITATION	0.710					CON
PRESQUE ISLE	M-65		GRAND LAKE HIGHWAY NORTH TO US-23	RESURFACE	4.367	CON				
PRESQUE ISLE	M-68		NINTH STREET IN ONAWAY EAST TO CURTIS ROAD	RESURFACE	13.870	CON				
ROSCOMMON	I-75 SB		AT NINE MILE HILL REST AREA	ROADSIDE FACILITIES - IMPROVE	0.000	CON				
ROSCOMMON	M-18		FROM ROSCOMMON SOUTH COUNTY LINE TO M-55	RESURFACE	10.349	CON				
WEXFORD	M-115		MACKINAW TRAIL TO 46 ROAD	RESURFACE	1.009					CON
WEXFORD	M-115 (M-115)		39 ROAD TO 48 ROAD	RECONSTRUCTION	2.139		CON			
WEXFORD	M-115 (M-115)		SUNNYSIDE DRIVE TO 39 ROAD	RECONSTRUCTION	0.852			CON		
WEXFORD	M-37		7 MILE ROAD TO SOUTH OF M-55	RESURFACE	8.838	CON				
WEXFORD	US-131		6 1/2 ROAD TO NORTH OF M-113	RESTORATION AND REHABILITATION	3.725		CON			
					372.622					

FIVE YEAR HIGHWAY AND BRIDGE PROGRAM

New Roads and Capacity Improvements

NORTH CAPACITY IMPROVEMENT

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
GRAND TRAVERSE	M-72		US-31 TO EAST OF LAUTNER ROAD	MISCELLANEOUS	1.530	EPE	EPE			
					1.530					

FIVE YEAR HIGHWAY AND BRIDGE PROGRAM

New Roads and Capacity Improvements

NORTH NEW ROADS (CAPACITY EXPANSION)

COUNTY	ROUTE(COMMON NAME)	P.F.	LOCATION	TYPE OF WORK	LENGTH	2004	2005	2006	2007	2008
WEXFORD	M-42		US-131 OLD TO US-131	CAPACITY IMPROVEMENT	0.617	CON	CON			
WEXFORD	M-42		US-131 OLD TO US-131	CAPACITY IMPROVEMENT		ROW				
WEXFORD	M-42		US-131 OLD TO US-131	CAPACITY IMPROVEMENT		PE				
WEXFORD	US-131 REL		SOUTH OF M-42 TO SOUTH OF MANISTEE RIVER	RELOCATION	5.300	ROW				
WEXFORD	US-131 REL		3 MILES NORTH OF CADILLAC TO SOUTH OF M-42	RELOCATION	7.000	ROW				
					12.917					